

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-045353

(43)Date of publication of application : 14.02.1997

(51)Int.Cl.

H01M 8/04

(21)Application number : 07-193485

(71)Applicant : SANYO ELECTRIC CO LTD

(22)Date of filing : 28.07.1995

(72)Inventor : NAKATO KUNIHIRO

SHINDO KOJI

MAKIHARA KATSUYUKI

YOSHIMOTO YASUNORI

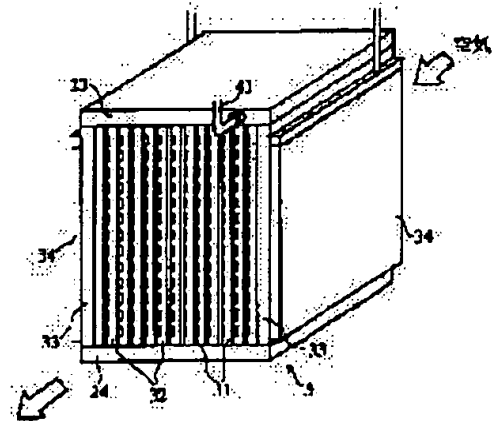
NISHIZAWA NOBUYOSHI

(54) PORTABLE FUEL CELL

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a portable fuel cell by which the temperature distribution in a battery stack at fuel cell starting time can be efficiently uniformized.

SOLUTION: A plane-shaped starting heater 33 is arranged in a contact shape over the whole on outside surfaces of both end plates 33 of a fuel cell main body 3. The starting heater 33 is actuated by electric power generated by the fuel cell main body 3, and raises a temperature in the vicinity of an outside surface in the fuel cell main body 3, and uniformizes the temperature distribution in the fuel cell main body 3.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office